

**DECLARATION FOR PATENT APPLICATION (JOINT OR SOLE)**

**(Under 37 CFR § 1.63; with Power of Attorney)**

**FROMMER LAWRENCE & HAUG LLP**

FLH File No. 450103-02823

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,  
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ENTITLED:

**APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES**

the specification of which

X is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_,

with amendment(s) through \_\_\_\_\_ (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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<u>Prior Foreign Application(s)</u>	[list additional applications on separate page]:	<u>Priority Claimed:</u>
<u>Number:</u>	<u>Country:</u>	<u>Filed (Day/Month/Year):</u>
		<u>Yes</u> <u>No</u>

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Prior U.S. Application(s)</u>	[list additional applications on separate page]:
<u>Appln. Ser. Number:</u>	<u>Filed (Day/Month/Year):</u>
	<u>Status (patented, pending, abandoned):</u>

I hereby appoint WILLIAM S. FROMMER, Registration No. 25,506, and DENNIS M. SMID, Registration No. 34,930 or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

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**INVENTOR(S):**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of sole or first inventor: Matthew S. CHANG  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 9282 Adolphia St.,  
San Diego, CA 92129-3580  
U.S.A

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 2nd joint inventor (if any): Aditya KRISHNAN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10641 Paseo Allegra Ave.,  
San Diego, CA 92127  
U.S.A

[Similarly list additional inventors on separate page]

Post Office Address(es) of inventor(s):

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## ADDITIONAL INVENTORS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 3rd joint inventor (if any): Andrew M. PROEHL  
Residence: San Francisco, CA  
Citizenship: U.S.A.  
P.O. Address: 3650 Fillmore St., #102,  
San Francisco, CA 94123  
U.S.A.

Signature: \_\_\_\_\_ Date: 4/12/01  
Full name of 4th joint inventor (if any): David K.L. YANG  
Residence: San Jose, CA  
Citizenship: U.S.A.  
P.O. Address: 1340 Redwood Lake Ct.,  
San Jose, CA 95131  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 5th joint inventor (if any): Frederick J. ZUSTAK  
Residence: Poway, CA  
Citizenship: U.S.A.  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 6th joint inventor (if any): Peter Rae SHINTANI  
Residence: San Diego, CA  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 8th joint inventor (if any): Nicholas COLSEY  
Residence: Del Mar, CA  
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Full name of 9th joint inventor (if any): Brant L. Candelore  
Residence: Escondido, CA  
Citizenship: U.S.A.  
P.O. Address: 10124 Quail Glen Way,  
Escondido, CA 92029-6502  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 10th joint inventor (if any): Dayan Ivy GOLDEN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
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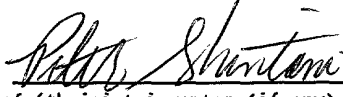
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Residence: San Francisco, CA  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 4th joint inventor (if any): David K.L. YANG  
Residence: San Jose, CA  
Citizenship: U.S.A.  
P.O. Address: 1340 Redwood Lake Ct.,  
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Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 5th joint inventor (if any): Frederick J. ZUSTAK  
Residence: Poway, CA  
Citizenship: U.S.A.  
P.O. Address: 15594 Riparian Rd.,  
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U.S.A.

Signature:  Date: April 20, 01  
Full name of 6th joint inventor (if any): Peter Rae SHINTANI  
Residence: San Diego, CA  
Citizenship: Canada  
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Residence: Escondido, CA  
Citizenship: U.S.A.  
P.O. Address: 10124 Quail Glen Way,  
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U.S.A

Signature: *Dayan Ivy Golden* \_\_\_\_\_ Date: *4/20/01*  
Full name of 10th joint inventor (if any): Dayan Ivy GOLDEN  
Residence: San Diego, CA  
Citizenship: U.S.A  
P.O. Address: 6122 Mesita Dr.,  
San Diego, CA 92115  
U.S.A



**DECLARATION FOR PATENT APPLICATION (JOINT OR SOLE)**

**(Under 37 CFR § 1.63; with Power of Attorney)**

**FROMMER LAWRENCE & HAUG LLP**

FLH File No. 450103-02823

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ENTITLED:

**APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES**

the specification of which

X is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_,

with amendment(s) through \_\_\_\_\_ (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) [list additional applications on separate page]: Priority Claimed:  
Number: \_\_\_\_\_ Country: \_\_\_\_\_ Filed (Day/Month/Year): \_\_\_\_\_ Yes No

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Prior U.S. Application(s) [list additional applications on separate page]:  
Appln. Ser. Number: \_\_\_\_\_ Filed (Day/Month/Year): \_\_\_\_\_ Status (patented, pending, abandoned): \_\_\_\_\_

I hereby appoint WILLIAM S. FROMMER, Registration No. 25,506, and DENNIS M. SMID, Registration No. 34,930 or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

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c/o FROMMER LAWRENCE & HAUG LLP  
745 Fifth Avenue  
New York, New York 10151

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**INVENTOR(S):**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of sole or first inventor: Matthew S. CHANG  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 9282 Adolphia St.,  
San Diego, CA 92129-3580  
U.S.A.

Signature:  Date: 4/11/01

Full name of 2nd joint inventor (if any): Aditya KRISHNAN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10641 Paseo Allegra Ave.,  
San Diego, CA 92127  
U.S.A.

[Similarly list additional inventors on separate page]

Post Office Address(es) of inventor(s):

[If all inventors have the same post office address]

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Note: A post office address must be provided for each inventor.

ADDITIONAL INVENTORS

FLH File No. 450103-02815

Signature: _____	Date: _____
Full name of 3rd joint inventor (if any): Andrew M. PROEHL	
Residence: San Francisco, CA	
Citizenship: U.S.A.	
P.O. Address: 3650 Fillmore St., #102,	
San Francisco, CA 94123	
U.S.A	
Signature: _____	Date: _____
Full name of 4th joint inventor (if any): David K.L. YANG	
Residence: San Jose, CA	
Citizenship: U.S.A.	
P.O. Address: 1340 Redwood Lake Ct.,	
San Jose, CA 95131	
U.S.A	
Signature: _____	Date: _____
Full name of 5th joint inventor (if any): Frederick J. ZUSTAK	
Residence: Poway, CA	
Citizenship: U.S.A.	
P.O. Address: 15594 Riparian Rd.,	
Poway, CA 92064	
U.S.A	
Signature: _____	Date: _____
Full name of 6th joint inventor (if any): Peter Rae SHINTANI	
Residence: San Diego, CA	
Citizenship: Canada	
P.O. Address: 15616 Bernardo Center Dr.,	
San Diego, CA 92127	
U.S.A	
Signature: _____	Date: _____
Full name of 7th joint inventor (if any): Mark Kenneth EYER	
Residence: San Diego, CA	
Citizenship: U.S.A.	
P.O. Address: 10525 Canyon Lake Dr.,	
San Diego, CA 92131	
U.S.A	
Signature: _____	Date: _____
Full name of 8th joint inventor (if any): Nicholas COLSEY	
Residence: Del Mar, CA	
Citizenship: U.K.	
P.O. Address: 2534 Via Pisa,	
Del Mar, CA 92014	
U.S.A	
Signature: _____	Date: _____
Full name of 9th joint inventor (if any): Brant L. Candelore	
Residence: Escondido, CA	
Citizenship: U.S.A.	
P.O. Address: 10124 Quail Glen Way,	
Escondido, CA 92029-6502	
U.S.A	
Signature: _____	Date: _____
Full name of 10th joint inventor (if any): Dayan Ivy GOLDEN	
Residence: San Diego, CA	
Citizenship: U.S.A.	
P.O. Address: 6122 Mesita Dr.,	
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San Diego, CA 92129-3580  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of 2nd joint inventor (if any): Aditya KRISHNAN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10641 Paseo Allegra Ave.,  
San Diego, CA 92127  
U.S.A.

[Similarly list additional inventors on separate page]

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## ADDITIONAL INVENTORS

Signature: _____	Date: _____
Full name of 3rd joint inventor (if any): Andrew M. PROEHL	
Residence: San Francisco, CA	
Citizenship: U.S.A.	
P.O. Address: 3650 Fillmore St., #102,	
San Francisco, CA 94123	
U.S.A	
Signature: _____	Date: _____
Full name of 4th joint inventor (if any): David K.L. YANG	
Residence: San Jose, CA	
Citizenship: U.S.A.	
P.O. Address: 1340 Redwood Lake Ct.,	
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U.S.A	
Signature: _____	Date: _____
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Residence: Poway, CA	
Citizenship: U.S.A.	
P.O. Address: 15594 Riparian Rd.,	
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U.S.A	
Signature: _____	Date: _____
Full name of 6th joint inventor (if any): Peter Rae SHINTANI	
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U.S.A	
Signature: _____	Date: 4-11-01
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Residence: Del Mar, CA	
Citizenship: U.K.	
P.O. Address: <del>2534 Via Pico</del> 2426 LOZANA RD	
Del Mar, CA 92014	
U.S.A	
Signature: _____	Date: _____
Full name of 9th joint inventor (if any): Brant L. Candalore	
Residence: Escondido, CA	
Citizenship: U.S.A.	
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Citizenship:	U.S.A.
P.O. Address:	9282 Adolphia St., San Diego, CA 92129-3580 U.S.A

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of 2nd joint inventor (if any):	Aditya KRISHNAN
Residence:	San Diego, CA
Citizenship:	U.S.A.
P.O. Address:	10641 Paseo Allegra Ave., San Diego, CA 92127 U.S.A

[Similarly list additional inventors on separate page]

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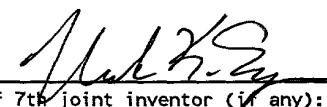
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 Full name of 4th joint inventor (if any): David K.L. YANG  
 Residence: San Jose, CA  
 Citizenship: U.S.A.  
 P.O. Address: 1340 Redwood Lake Ct.,  
 San Jose, CA 95131  
 U.S.A.

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 Full name of 5th joint inventor (if any): Frederick J. ZUSTAK  
 Residence: Poway, CA  
 Citizenship: U.S.A.  
 P.O. Address: 15594 Riparian Rd.,  
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 Citizenship: Canada  
 P.O. Address: 15616 Bernardo Center Dr.,  
 San Diego, CA 92127  
 U.S.A.

Signature:  \_\_\_\_\_ Date: 4/19/01  
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 Residence: San Diego, CA  
 Citizenship: U.S.A.  
 P.O. Address: 10525 Canyon Lake Dr.,  
 San Diego, CA 92131  
 U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Full name of 8th joint inventor (if any): Nicholas COLSEY  
 Residence: Del Mar, CA  
 Citizenship: U.K.  
 P.O. Address: 2534 Via Pisa,  
 Del Mar, CA 92014  
 U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
 Full name of 9th joint inventor (if any): Brant L. Candelore  
 Residence: Escondido, CA  
 Citizenship: U.S.A.  
 P.O. Address: 10124 Quail Glen Way,  
 Escondido, CA 92029-6502  
 U.S.A.

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Signature: \_\_\_\_\_

Date: DATE 01

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Residence: \_\_\_\_\_

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U.S.A.

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Full name of 2nd joint inventor (if any): \_\_\_\_\_

Residence: \_\_\_\_\_

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Citizenship: U.S.A.  
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U.S.A

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 10th joint inventor (if any): Dayan Ivy GOLDEN  
Residence: San Diego, CA  
Citizenship: U.S.A  
P.O. Address: 6122 Mesita Dr.,  
San Diego, CA 92115  
U.S.A



**DECLARATION FOR PATENT APPLICATION (JOINT OR SOLE)**

**(Under 37 CFR § 1.63; with Power of Attorney)**

**FROMMER LAWRENCE & HAUG LLP**

FLH File No. 450103-02823

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ENTITLED:

**APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES**

the specification of which

X is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_,

with amendment(s) through \_\_\_\_\_ (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) [list additional applications on separate page]: Priority Claimed:  
Number: \_\_\_\_\_ Country: \_\_\_\_\_ Filed (Day/Month/Year): \_\_\_\_\_ Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s) [list additional applications on separate page]:  
App'n. Ser. Number: \_\_\_\_\_ Filed (Day/Month/Year): \_\_\_\_\_ Status (patented, pending, abandoned): \_\_\_\_\_

I hereby appoint WILLIAM S. FROMMER, Registration No. 25,506, and DENNIS M. SMID, Registration No. 34,930 or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

WILLIAM S. FROMMER, Esq.  
c/o FROMMER LAWRENCE & HAUG LLP  
745 Fifth Avenue  
New York, New York 10151

Direct all telephone calls to:  
(212) 588-0800  
to the attention of:  
WILLIAM S. FROMMER

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

INVENTOR(S):

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of sole or first inventor: Matthew S. CHANG  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 9282 Adolphia St.,  
San Diego, CA 92129-3580  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Full name of 2nd joint inventor (if any): Aditya KRISHNAN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10641 Paseo Allegra Ave.,  
San Diego, CA 92127  
U.S.A.

[Similarly list additional inventors on separate page]

Post Office Address(es) of inventor(s):

[if all inventors have the same post office address]

Note: In order to qualify for reduced fees available to Small Entities, each inventor and any other individual or entity having rights to the invention must also sign an appropriate separate "Verified Statement (Declaration) Claiming [or Supporting a Claim by Another for] Small Entity Status" form [e.g. for Independent Inventor, Small Business Concern, Nonprofit Organization, individual Non-Inventor].

Note: A post office address must be provided for each inventor.

## ADDITIONAL INVENTORS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 3rd joint inventor (if any): Andrew M. PROEHL  
Residence: San Francisco, CA  
Citizenship: U.S.A.  
P.O. Address: 3650 Fillmore St., #102,  
San Francisco, CA 94123  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 4th joint inventor (if any): David K.L. YANG  
Residence: San Jose, CA  
Citizenship: U.S.A.  
P.O. Address: 1340 Redwood Lake Ct.,  
San Jose, CA 95131  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 5th joint inventor (if any): Frederick J. ZUSTAK  
Residence: Poway, CA  
Citizenship: U.S.A.  
P.O. Address: 15594 Riparian Rd.,  
Poway, CA 92064  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 6th joint inventor (if any): Peter Rae SHINTANI  
Residence: San Diego, CA  
Citizenship: Canada  
P.O. Address: 15616 Bernardo Center Dr.,  
San Diego, CA 92127  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 7th joint inventor (if any): Mark Kenneth EYER  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10525 Canyon Lake Dr.,  
San Diego, CA 92131  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 8th joint inventor (if any): Nicholas COLSEY  
Residence: Del Mar, CA  
Citizenship: U.K.  
P.O. Address: 2534 Via Pisa,  
Del Mar, CA 92014  
U.S.A.

Signature: Brant L. Candellore Date: 4/17/01  
Full name of 9th joint inventor (if any): Brant L. Candellore  
Residence: Escondido, CA  
Citizenship: U.S.A.  
P.O. Address: 10124 Quail Glen Way,  
Escondido, CA 92029-6502  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 10th joint inventor (if any): Dayan Ivy GOLDEN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 6122 Mesita Dr.,  
San Diego, CA 92115  
U.S.A.

## ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo 141, Japan and SONY ELECTRONICS, INC., a Delaware corporation, with offices at 1 Sony Drive, Park Ridge NJ 07656 (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This assignment executed on the dates indicated below.

Matthew S. CHANG

Name of first or sole inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor

Execution date of U.S. Patent Application

Poway, CA

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

Mark Kenneth EYER

Name of seventh inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Nicholas COLSEY

Name of eighth inventor

Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Brant L. Candelore

Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of tenth inventor

Signature of tenth inventor

Date of this assignment

## ASSIGNMENT

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APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo 141, Japan and SONY ELECTRONICS, INC., a Delaware corporation, with offices at 1 Sony Drive, Park Ridge NJ 07656 (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

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Name of first or sole inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor

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Poway, CA

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Signature of fifth inventor

Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

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Date of this assignment

Mark Kenneth EYER

Name of seventh inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Nicholas COLSEY

Name of eighth inventor

Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Brant L. Candelore

Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor

Execution date of U.S. Patent Application

San Diego, CA

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Matthew S. CHANG

Name of first or sole inventor Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor Date of this assignment

Aditya KRISHNAN

Name of second inventor Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor Date of this assignment

Andrew M. PROEHL

Name of third inventor Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor Date of this assignment

## ADDITIONAL INVENTORS

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor

Execution date of U.S. Patent Application

Poway, CA

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

April 20, 01

Mark Kenneth EYER

Name of seventh inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Nicholas COLSEY

Name of eighth inventor

Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Brant L. Candelore

Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of tenth inventor

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Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

4/12/01

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

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Name of fifth inventor

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Poway, CA

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Name of seventh inventor

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Name of eighth inventor

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Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

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Dayan Ivy GOLDEN

Name of tenth inventor

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San Diego, CA

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AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo 141, Japan and SONY ELECTRONICS, INC., a Delaware corporation, with offices at 1 Sony Drive, Park Ridge NJ 07656 (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This assignment executed on the dates indicated below.

Matthew S. CHANG

Name of first or sole inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor

Execution date of U.S. Patent Application

Poway, CA

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

Mark Kenneth EYER

Name of seventh inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Nicholas COLSEY

Name of eighth inventor

Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Brant L. Candelore

Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of tenth inventor

Signature of tenth inventor

Date of this assignment

## ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo 141, Japan and SONY ELECTRONICS, INC., a Delaware corporation, with offices at 1 Sony Drive, Park Ridge NJ 07656 (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

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Name of first or sole inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor

Execution date of U.S. Patent Application

Poway, CA

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

Mark Kenneth EYER

Name of seventh inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Nicholas COLSEY

Name of eighth inventor

Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Brant L. Candelore

Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of tenth inventor

Signature of tenth inventor

Date of this assignment

*Dayan Ivy Golden* 4/20/01

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Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor Execution date of U.S. Patent Application

Poway, CA

Residence of fifth inventor

Signature of fifth inventor Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

Signature of sixth inventor Date of this assignment

Mark Kenneth EYER

Name of seventh inventor Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor Date of this assignment

Nicholas COLSEY

Name of eighth inventor Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor Date of this assignment

Brant L. Candelore

Name of ninth inventor Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor Execution date of U.S. Patent Application

San Diego, CA

Residence of tenth inventor

Signature of tenth inventor Date of this assignment



## ASSIGNMENT

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And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: \_\_\_\_\_, Filing Date: \_\_\_\_.

This assignment executed on the dates indicated below.

Matthew S. CHANG

Name of first or sole inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor	Execution date of U.S. Patent Application
San Jose, CA	
Residence of fourth inventor	
Signature of fourth inventor	Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor	Execution date of U.S. Patent Application
Poway, CA	
Residence of fifth inventor	
Signature of fifth inventor	Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor	Execution date of U.S. Patent Application
San Diego, CA	
Residence of sixth inventor	
Signature of sixth inventor	Date of this assignment

Mark Kenneth EYER

Name of seventh inventor	Execution date of U.S. Patent Application
San Diego, CA	
Residence of seventh inventor	
Signature of seventh inventor	Date of this assignment

Nicholas COLSEY

Name of eighth inventor	Execution date of U.S. Patent Application
Del Mar, CA	4-11-01
Residence of eighth inventor	
Signature of eighth inventor	Date of this assignment

Brant L. Candelore

Name of ninth inventor	Execution date of U.S. Patent Application
Escondido, CA	
Residence of ninth inventor	
Signature of ninth inventor	Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor	Execution date of U.S. Patent Application
San Diego, CA	
Residence of tenth inventor	
Signature of tenth inventor	Date of this assignment

**DECLARATION FOR PATENT APPLICATION (JOINT OR SOLE)**

**(Under 37 CFR § 1.63; with Power of Attorney)**

**FROMMER LAWRENCE & HAUG LLP**

FLH File No. 450103-02823

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention ENTITLED:

**APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES**

the specification of which

X is attached hereto.

\_\_\_\_\_ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_,

with amendment(s) through \_\_\_\_\_ (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s) [list additional applications on separate page]: Priority Claimed:  
Number: Country: Filed (Day/Month/Year): Yes No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56, which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s) [list additional applications on separate page]:  
App'n. Ser. Number: Filed (Day/Month/Year): Status (patented, pending, abandoned):

I hereby appoint WILLIAM S. FROMMER, Registration No. 25,506, and DENNIS M. SMID, Registration No. 34,930 or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection therewith, and specify that all communications about the application are to be directed to the following correspondence address:

WILLIAM S. FROMMER, Esq.  
c/o FROMMER LAWRENCE & HAUG LLP  
745 Fifth Avenue  
New York, New York 10151

Direct all telephone calls to:  
(212) 588-0800  
to the attention of:  
WILLIAM S. FROMMER

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**INVENTOR(S):**

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of sole or first inventor: Matthew S. CHANG  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 9282 Adolphia St.,  
San Diego, CA 92129-3580  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 2nd joint inventor (if any): Aditya KRISHNAN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10641 Paseo Allegra Ave.,  
San Diego, CA 92127  
U.S.A.

[Similarly list additional inventors on separate page]

Post Office Address(es) of inventor(s):

[If all inventors have the same post office address]

Note: In order to qualify for reduced fees available to Small Entities, each inventor and any other individual or entity having rights to the invention must also sign an appropriate separate "Verified Statement (Declaration) Claiming [or Supporting a Claim by Another for] Small Entity Status" form [e.g. for Independent Inventor, Small Business Concern, Nonprofit Organization, individual Non-Inventor].

Note: A post office address must be provided for each inventor.

## ADDITIONAL INVENTORS

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 3rd joint inventor (if any): Andrew M. PROEHL  
Residence: San Francisco, CA  
Citizenship: U.S.A.  
P.O. Address: 3650 Fillmore St., #102,  
San Francisco, CA 94123  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 4th joint inventor (if any): David K.L. YANG  
Residence: San Jose, CA  
Citizenship: U.S.A.  
P.O. Address: 1340 Redwood Lake Ct.,  
San Jose, CA 95131  
U.S.A.

Signature: \_\_\_\_\_ Date: 4/18/01  
Full name of 5th joint inventor (if any): Frederick J. ZUSTAK  
Residence: Poway, CA  
Citizenship: U.S.A.  
P.O. Address: 15594 Riparian Rd.,  
Poway, CA 92064  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 6th joint inventor (if any): Peter Rae SHINTANI  
Residence: San Diego, CA  
Citizenship: Canada  
P.O. Address: 15616 Bernardo Center Dr.,  
San Diego, CA 92127  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 7th joint inventor (if any): Mark Kenneth EYER  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 10525 Canyon Lake Dr.,  
San Diego, CA 92131  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 8th joint inventor (if any): Nicholas COLSEY  
Residence: Del Mar, CA  
Citizenship: U.K.  
P.O. Address: 2534 Via Pisa,  
Del Mar, CA 92014  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 9th joint inventor (if any): Brant L. Candelore  
Residence: Escondido, CA  
Citizenship: U.S.A.  
P.O. Address: 10124 Quail Glen Way,  
Escondido, CA 92029-6502  
U.S.A.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Full name of 10th joint inventor (if any): Dayan Ivy GOLDEN  
Residence: San Diego, CA  
Citizenship: U.S.A.  
P.O. Address: 6122 Mesita Dr.,  
San Diego, CA 92115  
U.S.A.

## ASSIGNMENT

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And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: \_\_\_\_\_, Filing Date: \_\_\_\_\_.

This assignment executed on the dates indicated below.

Matthew S. CHANG

Name of first or sole inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Aditya KRISHNAN

Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

FLH File No. 450103-02815

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

Frederick J. ZUSTAK

Name of fifth inventor

Execution date of U.S. Patent Application

Poway, CA

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

Peter Rae SHINTANI

Name of sixth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

Mark Kenneth EYER

Name of seventh inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

Nicholas COLSEY

Name of eighth inventor

Execution date of U.S. Patent Application

Del Mar, CA

Residence of eighth inventor

Signature of eighth inventor

Date of this assignment

Brant L. Candalore

Name of ninth inventor

Execution date of U.S. Patent Application

Escondido, CA

Residence of ninth inventor

Signature of ninth inventor

Date of this assignment

Dayan Ivy GOLDEN

Name of tenth inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of tenth inventor

Signature of tenth inventor

Date of this assignment

## ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

## APPARATUS AND METHOD FOR PROVIDING AN INDICATION OF PROGRAM(S) AND/OR ACTIVITIES

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo 141, Japan and SONY ELECTRONICS, INC., a Delaware corporation, with offices at 1 Sony Drive, Park Ridge NJ 07656 (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

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Name of second inventor

Execution date of U.S. Patent Application

San Diego, CA

Residence of second inventor

Signature of second inventor

Date of this assignment

Andrew M. PROEHL

Name of third inventor

Execution date of U.S. Patent Application

San Francisco, CA

Residence of third inventor

Signature of third inventor

Date of this assignment

## ADDITIONAL INVENTORS

David K.L. YANG

Name of fourth inventor

Execution date of U.S. Patent Application

San Jose, CA

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

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Name of fifth inventor

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Poway, CA

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Name of sixth inventor

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Nicholas COLSEY

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Brant L. Candelore

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